Filed: Herewith

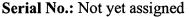
In the claims:

Please cancel Claims 1-21 without prejudice or disclaimer.

Please add new Claims 22-41 as follows.

1-22. (New) An isolated nucleic acid having at least 80% nucleic acid sequence identity to:

- (a) a nucleic acid sequence encoding the polypeptide shown in Figure 2 (SEQ ID NO:2);
- (b) a nucleic acid sequence encoding the polypeptide shown in Figure 2 (SEQ ID NO:2), lacking its associated signal peptide;
- (c) a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure 2 (SEQ ID NO:2);
- (d) a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure 2 (SEQ ID NO:2), lacking its associated signal peptide;
 - (e) the nucleic acid sequence shown in Figure 1 (SEQ ID NO:1);
- (f) the full-length coding sequence of the nucleic acid sequence shown in Figure 1 (SEQ ID NO:1); or
- (g) the full-length coding sequence of the cDNA deposited under ATCC accession number 209526.
- 23. (New) The isolated nucleic acid of Claim 22 having at least 85% nucleic acid sequence identity to:
 - (a) a nucleic acid sequence encoding the polypeptide shown in Figure 2 (SEQ ID NO:2);
- (b) a nucleic acid sequence encoding the polypeptide shown in Figure 2 (SEQ ID NO:2), lacking its associated signal peptide;



Filed: Herewith

(c) a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure 2 (SEQ ID NO:2);

- (d) a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure 2 (SEQ ID NO:2), lacking its associated signal peptide;
 - (e) the nucleic acid sequence shown in Figure 1 (SEQ ID NO:1);
- (f) the full-length coding sequence of the nucleic acid sequence shown in Figure 1 (SEQ ID NO:1); or
- (g) the full-length coding sequence of the cDNA deposited under ATCC accession number 209526.
- 24. (New) The isolated nucleic acid of Claim 22 having at least 90% nucleic acid sequence identity to:
 - (a) a nucleic acid sequence encoding the polypeptide shown in Figure 2 (SEQ ID NO:2);
- (b) a nucleic acid sequence encoding the polypeptide shown in Figure 2 (SEQ ID NO:2), lacking its associated signal peptide;
- (c) a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure 2 (SEQ ID NO:2);
- (d) a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure 2 (SEQ ID NO:2), lacking its associated signal peptide;
 - (e) the nucleic acid sequence shown in Figure 1 (SEQ ID NO:1);
- (f) the full-length coding sequence of the nucleic acid sequence shown in Figure 1 (SEQ ID NO:1); or
- (g) the full-length coding sequence of the cDNA deposited under ATCC accession number 209526.

Filed: Herewith

- 25. (New) The isolated nucleic acid of Claim 22 having at least 95% nucleic acid sequence identity to:
 - (a) a nucleic acid sequence encoding the polypeptide shown in Figure 2 (SEQ ID NO:2);
- (b) a nucleic acid sequence encoding the polypeptide shown in Figure 2 (SEQ ID NO:2), lacking its associated signal peptide;
- (c) a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure 2 (SEQ ID NO:2);
- (d) a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure 2 (SEQ ID NO:2), lacking its associated signal peptide;
 - (e) the nucleic acid sequence shown in Figure 1 (SEQ ID NO:1);
- (f) the full-length coding sequence of the nucleic acid sequence shown in Figure 1 (SEQ ID NO:1); or
- (g) the full-length coding sequence of the cDNA deposited under ATCC accession number 209526.
- 26. (New) The isolated nucleic acid of Claim 22 having at least 99% nucleic acid sequence identity to:
 - (a) a nucleic acid sequence encoding the polypeptide shown in Figure 2 (SEQ ID NO:2);
- (b) a nucleic acid sequence encoding the polypeptide shown in Figure 2 (SEQ ID NO:2), lacking its associated signal peptide;
- (c) a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure 2 (SEQ ID NO:2);
- (d) a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure 2 (SEQ ID NO:2), lacking its associated signal peptide;
 - (e) the nucleic acid sequence shown in Figure 1 (SEQ ID NO:1);
 - (f) the full-length coding sequence of the nucleic acid sequence shown in Figure 1 (SEQ

Filed: Herewith

ID NO:1); or

(g) the full-length coding sequence of the cDNA deposited under ATCC accession number 209526.

- 27. (New) An isolated nucleic acid comprising:
- (a) a nucleic acid sequence encoding the polypeptide shown in Figure 2 (SEQ ID NO:2);
- (b) a nucleic acid sequence encoding the polypeptide shown in Figure 2 (SEQ ID NO:2), lacking its associated signal peptide;
- (c) a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure 2 (SEQ ID NO:2);
- (d) a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure 2 (SEQ ID NO:2), lacking its associated signal peptide;
 - (e) the nucleic acid sequence shown in Figure 1 (SEQ ID NO:1);
- (f) the full-length coding sequence of the nucleic acid sequence shown in Figure 1 (SEQ ID NO:1); or
- (g) the full-length coding sequence of the cDNA deposited under ATCC accession number 209526.
- 28. (New) The isolated nucleic acid of Claim 27 comprising a nucleic acid sequence encoding the polypeptide shown in Figure 2 (SEQ ID NO:2).

Filed: Herewith

- 29. (New) The isolated nucleic acid of Claim 27 comprising a nucleic acid sequence encoding the polypeptide shown in Figure 2 (SEQ ID NO:2), lacking its associated signal peptide.
- 30. (New) The isolated nucleic acid of Claim 27 comprising a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure 2 (SEQ ID NO:2).
- 31. (New) The isolated nucleic acid of Claim 27 comprising a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure 2 (SEQ ID NO:2), lacking its associated signal peptide.

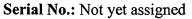


- 32. (New) The isolated nucleic acid of Claim 27 comprising the nucleic acid sequence shown in Figure 1 (SEQ ID NO:1).
- 33. (New) The isolated nucleic acid of Claim 27 comprising the full-length coding sequence of the nucleic acid sequence shown in Figure 1 (SEQ ID NO:1).
- 34. (New) The isolated nucleic acid of Claim 27 comprising the full-length coding sequence of the cDNA deposited under ATCC accession number 209526.
 - 35. (New) An isolated nucleic acid that hybridizes to:
 - (a) a nucleic acid sequence encoding the polypeptide shown in Figure 2 (SEQ ID NO:2);
- (b) a nucleic acid sequence encoding the polypeptide shown in Figure 2 (SEQ ID NO:2), lacking its associated signal peptide;

Filed: Herewith

(c) a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure 2 (SEQ ID NO:2);

- (d) a nucleic acid sequence encoding the extracellular domain of the polypeptide shown in Figure 2 (SEQ ID NO:2), lacking its associated signal peptide;
 - (e) the nucleic acid sequence shown in Figure 1 (SEQ ID NO:1);
- (f) the full-length coding sequence of the nucleic acid sequence shown in Figure 1 (SEQ ID NO:1); or
- (g) the full-length coding sequence of the cDNA deposited under ATCC accession number 209526.
- 36. (New) The isolated nucleic acid of Claim 35, wherein said hybridization occurs under stringent conditions.
- 37. (New) The isolated nucleic acid of Claim 35 which is at least 10 nucleotides in length.
 - 38. (New) A vector comprising the nucleic acid of Claim 22.
- 39. (New) The vector of Claim 38, wherein said nucleic acid is operably linked to control sequences recognized by a host cell transformed with the vector.
 - 40. (New) A host cell comprising the vector of Claim 38.
- 41. (New) The host cell of Claim 40, wherein said cell is a CHO cell, an E. coli or a yeast cell.



Filed: Herewith

PATENT TRADEMARK OFFICE

Applicants respectfully request entry of these new claims for prosecution in this application. The Examiner is invited to contact the undersigned at (650) 225-4563 if any issues may be resolved in that manner.

Respectfully submitted,

GENENTECH, INC.

Elizabeth M. Barnes, Ph.D. Reg. No. 35,059

Telephone: (650) 225-4563

-8-